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AMSAT NEWS SERVICE
ANS-066

The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on http://www.amsat.org publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to: ans-editor(a)amsat.org

You can sign up for free e-mail delivery of the AMSAT News Service Bulletins via the ANS List; to join this list see:
https://mailman.amsat.org/postorius/lists/ans.amsat.org/

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ANS-066 AMSAT News Service Weekly Bulletins

AMSAT News Service Bulletin 066.01
To: All RADIO AMATEURS
From: Radio Amateur Satellite Corporation
712 H Street NE Suite 1653
Washington, DC 20002

DATE 2021 March 07

AMSAT Ambassadors to Speak at QSO Today Virtual Ham Expo

Several AMSAT Ambassadors are scheduled to speak at the QSO Today Virtual Ham Expo on Saturday, March 13, 2021. The QSO Today Virtual Ham Expo to be held on March 12-14, 2021 features many speakers over a wide range of technical and operating topics. Among the speakers will be two AMSAT Ambassadors presenting in the Space Auditorium on Saturday March 13, 2021:

□Working the Easy FM Amateur Satellites□
Clint Bradford, K6LCS
1200-1300 EST

>From getting licensed to finding local clubs to working the □easy□ FM

amateur satellites with minimal investment! We ll cover all the basics for you with plenty of ways to submit any questions you may have afterwards. Let's get you working the birds ASAP!

Clint Bradford has been a ham since 1994, and is also involved in the commercial side of the communications industry. His How to Work the Amateur Satellites With Your HT presentation has informed and delighted more than 100 audiences over the past few years - clubs, conventions, and hamfests not only in Southern California, but also clubs across North America and Canada. He is an ARRL educator, AMSAT Ambassador, and member of several AMSAT chapters across the planet.

Getting on the air with Amateur Radio Satellites
Tom Schuessler, N5HYP
1700-1800 EST

Tom will provide an introduction to what you need to know to become active on FM satellites and beyond.

Tom was licensed in 1985. Although he was aware of Amateur Radio space communications, he thought it was just too far beyond the means of the average ham. In 2009, he caught the bug from the late Keith Pugh, W5IU. The realization that he already had a radio that would work with the then existing FM satellites was all he needed. He now not only actively enjoys communicating through the current fleet of Amateur Radio satellites, but loves to communicate his passion and experience to those who have never yet experienced the thrill. Professionally, Tom Has worked in the broadcast television and video fields as a production and systems engineer.

Also scheduled to present are AMSAT's Human Space partners at ARISS:

How to Enjoy Amateur Radio Contacts with the International Space Station
Frank Bauer, KA3HDO & Rosalie White, K1STO
1600-1700 EST

You can enjoy ham radio contacts through the ARISS radios on the International Space Station. We ll explain how you can have fun trying ARISS packet, SSTV and repeater mode. Intermediate level & even beginners learn how to try off-the-planet hamming.

Frank H. Bauer s aerospace career spans over 40 years within NASA and private industry. Mr. Bauer s primary research interests include space borne applications of the Global Positioning System (GPS) and space vehicle formation flying. He was the principal investigator of 4 spaceflight GPS and formation flying experiments including the AMSAT-OSCAR-40 GPS experiment, investigating the use of GPS above the constellation. His hobbies include astronomy, amateur radio, and flying. He s the founder of ARISS-USA, which enables amateur radio on the ISS.

Rosalie White is an ARISS-US Delegate to the International Space Station (supported by NASA). Her specialties are STEM, Aerospace, NASA, Amateur Radio, and Aviation.

Complete information is available at https://www.qsotodayhamexpo.com.

[ANS thanks QSO Today Virtual Ham Expo for the above information.

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You won't want to miss it!
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PS8ET       450    550
N5BO        500    525
AF5CC       461    477
N4DCW       450    476
AK7DD       390    400
VE1VOX      170    400
W8LR        328    353
KE0WPA      229    345
N6RFM       276    302
VE4MM       263    279
K8BL        274    278
AB1OC       264    267
DF2ET       129    250
F6GLJ       103    220
N8URE (FM19)186    214
F4BKV       100    200
WD9EWK(DM23)152    166
KN2K        New    155
N8URE (EL95)113    134
DL6KBG      111    125
M0SKN       New    108
KC5TT       New    100
N2CJ        New    100
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If you find errors or omissions. please contact me off-list at<mycall>@<mycall>.com and I'll revise the announcement. This list was developed by comparing the ARRL .pdf listings for the two months. It's a visual comparison so omissions are possible. Apologies if your call was not mentioned. Thanks to all those who are roving to grids that are rarely on the birds. They are doing most of the work! Ron W5RKN

[ANS thanks Ron Parsons, W5RKN for the above information]

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Nanoconnect-2 satellite, developed and funded by the Space Instrumentation Laboratory of the National University of Mexico, will examine the use of the GlobalStar satellite phone network as a secondary communication channel for nano-satellites.

Sindhu Netra is an Indian-developed AIS-based (automatic identification system) marine traffic monitoring satellite built by students at the People□s Education Society University□s Crucible for Research and Innovation wing. Funding was provided by the Defense Research and Development Organization of India.

Joining its other co-passengers is the UNITYSat mission □ which itself contains the JITsat, GHRCESat, and SriShakthiSat satellites. The trio of satellites will form an amateur radio and IoT (Internet of Things) service satellite. The mission was developed by the Jeppiaar Institute of Technology, G. H. Raisoni College of Engineering, and the Sri Shakthi Institute of Engineering and Technology. [No amateur frequency coordination records appear in the IARU satellite database for these satellites -- Ed.]

SDSat (Satish Dhawan Satellite), named after the Chairman and founding father of the Indian Space Program, was developed by SpaceKidz India to measure magnetic fields and space radiation. The satellite also carries 25,000 names designed to create awareness and educate the general public about space sciences.

This was the 53rd mission for the PSLV rocket and marks the first dedicated PSLV commercial mission for New Space India Limited, an Indian government company under the Department of Space and the commercial arm of the Indian Space Research Organization.

[ANS thanks Spaceflight.com for the above information]

IARU Region 1 Participates in ITU WRC-23 Preparation for 23cm Allocations

The Chair of IARU Region 1 Spectrum Affairs, Barry Lewis, G4SJH reports a meeting of the ITU-R Working Party 4C (WP4C) was held between February 15 and 19 which discussed the amateur radio allocation at 1240 □ 1300 MHz.

During the week 15 to 19 February, the preparatory work for WRC-23 agenda item 9.1b continued in ITU-R Working Party 4C (WP4C). The WRC agenda item has initiated technical studies on coexistence between the radio navigation satellite service (RNSS) and the amateur services in the 23 cm band. As usual, the IARU participated in the meeting and delivered key information on amateur activities in this important microwave band. This information is vital to ensure the amateur services are realistically represented in the studies as they move forward.

To assist with this the IARU Region 1 is developing supporting material that Member Societies can refer to when addressing the topic with their National Regulator. The work on this topic will continue throughout the year and beyond, both in ITU-R and in the regional telecommunications organisations, and the IARU is committed to ensure every organisation understands the amateur position on this important microwave band.

[ANS thanks JoAnne Maenpaa and the South African Radio League SARL News 28 February 2021 for the above information]

JAMSAT Symposium 2021 Information Posted: March 2, 2021

>From Google Translate: JAMSAT will hold the annual meeting and JAMSAT

Symposium 2021 as follows. This year, due to the influence of the new corona, it will be held online. The annual general meeting is for members only, and the symposium and the social gathering after the symposium are open to anyone who is interested in satellite communications. We posted the "Symposium 2021 Holding Information" earlier, but we will post it again, including the social gathering.

Date and time:
Saturday, March 20th, General Assembly (members only)
Saturday, March 20th, 9: 00-9: 45 (Reception: Posted in newsletter)
Symposium: Saturday, March 20th, 10:00 ~ 17: 45
Social gathering: Saturday, March 20th, 18: 00 ~
Venue: ZOOM, ZOOM, free of charge, symposium

More information in Japanese available at: https://bit.ly/3uUlXEf

[ANS thanks Nao Goto of JAMSAT for the above information]

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information on the operation mode can be found at
https://www.ariss.org/current-status-of-iss-stations.html.
The scheduled astronaut is Mike Hopkins KF5LJG. Contact is go for: Wed
2021-02-10 18:26:15 UTC 65 deg.

Amateurs and others around the world may listen in on contacts between
amateurs operating in schools and allowing students to interact with
astronauts and cosmonauts aboard the International Space Station. The
downlink frequency on which to listen is 145.800 MHz worldwide.

[ANS thanks Charlie Sufana, AJ9N, one of the ARISS operation team mentors
for the above information]

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amateur satellites, and host information tables at club meetings, hamfests, conventions, maker faires, and other events.

AMSAT Ambassador and registered ARRL instructor Clint Bradford K6LCS AMSAT Ambassador and ARRL registered instructor Clint Bradford, K6LCS, is certainly keeping busy!

Think a 90-minute lively, informative, and fun "How to Work the Easy Satellites" Zoom presentation would be appropriate for your convention or club? Always includes are overviews of the ARRL, AMSAT, and ARISS and
pre-presentation questions are solicited and welcome.
Cliff reports these upcoming satellite presentation dates:
03/10 – Trenton, New Jersey
03/11 – Clearwater, Florida
03/13 – QSO TODAY 2021 Virtual Convention. See: https://bit.ly/2OkDRiV
03/16 – Palm Springs, CA
03/20 – Bonham, Texas
04/01 – Orem, Utah
06/15 – East Massachusetts
Send Clint an email message, and book a date! Contact:
Clint Bradford K6LCS
k6lcs at ham-sat dot info
909-999-SATS (7287)

[ANS thanks Paul Overn, KE0PBR, AMSAT Events page manager, for the above information]

Satellite Shorts From All Over

+Getting It Right: JAGSAT CubeSat Sponsor

Last week's ANS-059 AMSAT Weekly Bulletin incorrectly reported that the 2U Cubesat JAGSAT was a project of the University of Alabama. Everyone who knows the difference between Southern grits and Minnesota lutefisk can tell you that the University of Alabama's mascot is an elephant named "Big Al." JAGSAT is a project of the University of Southern Alabama whose mascot is, of course, a Jaguar named Southpaw. ANS-059 Rotating Editor Frank Karnauskas, N1UW apologizes for the error.

[ANS thanks John Klingelhoeffer, WB4LNM for catching this error.]

+ Humor and News...

+ Rocket Labs CEO eats his hat because he once said he would not fly a reusable rocket. Then came Neutron... Watch on YouTube:
https://bit.ly/3c2ErtA

[ANS thanks Orbital Index and Rocket Lab for the above information]

+ SpaceX ends 3rd Starship landing attempt in flaming success before exploding minutes later

Third time's a charm? Not so for SpaceX, whose unmanned rocket exploded on the ground Wednesday after carrying out what had seemed to be a successful flight and landing -- fresh on the heels of two fiery crashes. It was yet another flub involving a prototype of the Starship rocket, which SpaceX hopes one day to send to Mars. "A beautiful soft landing," a SpaceX commentator said on a live broadcast of the test flight, although flames were coming out at the bottom and crews were trying to put them out. The rocket exploded a few minutes later, lurching into the air and crashing back to the ground.
More information may be found at: https://bit.ly/3v0x4vJ

[ANS thanks to the SpaceDaily.com staff writers for the above information]

+SpaceX sticks 75th Falcon rocket landing after launching 60 more Starlink satellites
March 4, 2021

Launching through a blanket of low-hanging clouds and light mist, a SpaceX Falcon 9 rocket thundered into the sky over Florida□s Space Coast early Thursday and delivered 60 more Starlink internet satellites to orbit. The rocket□s first stage touched down on SpaceX□s floating landing platform in the Atlantic Ocean to complete its eighth trip to space and back. Additional information at: https://bit.ly/3uTFSmX

[ANS thanks to Stephen Clark of SpaceFlightNow.com for the above information]

AMSAT Thanks AmazonSmile Shoppers

AmazonSmile shoppers who designated Radio Amateur Satellite Corporation as their charity have made a difference during the past holiday shopping season. AmazonSmile reports that it has deposited a total of $498.31 to the AMSAT coffers for purchases made between October 1 and December 31, 2020.

You can join the crowd and help AMSAT earn even more. Go to https://smile.amazon.com to create your account and designate "Radio Amateur Satellite Corporation" as your charity. Just remember, when you go shopping start with AmazonSmile so your purchases are credited to AMSAT. Thank you, shoppers!

[ANS thanks AMSAT for the above information.]

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Store.

Primary and secondary school students are eligible for membership at one-half the standard yearly rate. Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of 6 post-secondary years in this status. Contact info [at] amsat.org for additional student membership information.

73 and Remember to help keep amateur radio in space,
This week's ANS Editor, Jack Spitznagel, KD4IZ
kd4iz at frawg dot org

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ADDITIONAL COMPONENT BULLETINS RECOVERED FROM OTHER POSTS
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I apologize for missing an ARISS news item that was repeated from a past edition of the ANS news #066. The item for the ANS News should be as follows:

ARISS NEWS: Upcoming ARISS Contact Schedule as of March 3, 2021

Avoca State School, Bundaberg, QLD, Australia, direct via VK4BW (Mike Hopkins KF5LJG). Thu 2021-03-11 07:56:51 UTC 60 deg

Amateurs and others around the world may listen in on contacts between amateurs operating in schools and allowing students to interact with astronauts and cosmonauts aboard the International Space Station. The downlink frequency on which to listen is 145.800 MHz worldwide.

[ANS thanks Charlie Sufana, AJ9N, one of the ARISS operation team mentors for the above information]

Thanks for your patience.
Jack Spitznagel - KD4IZ
Assistant Editor - AMSAT News Service
kd4iz(a)arrl.net